

Fig.1

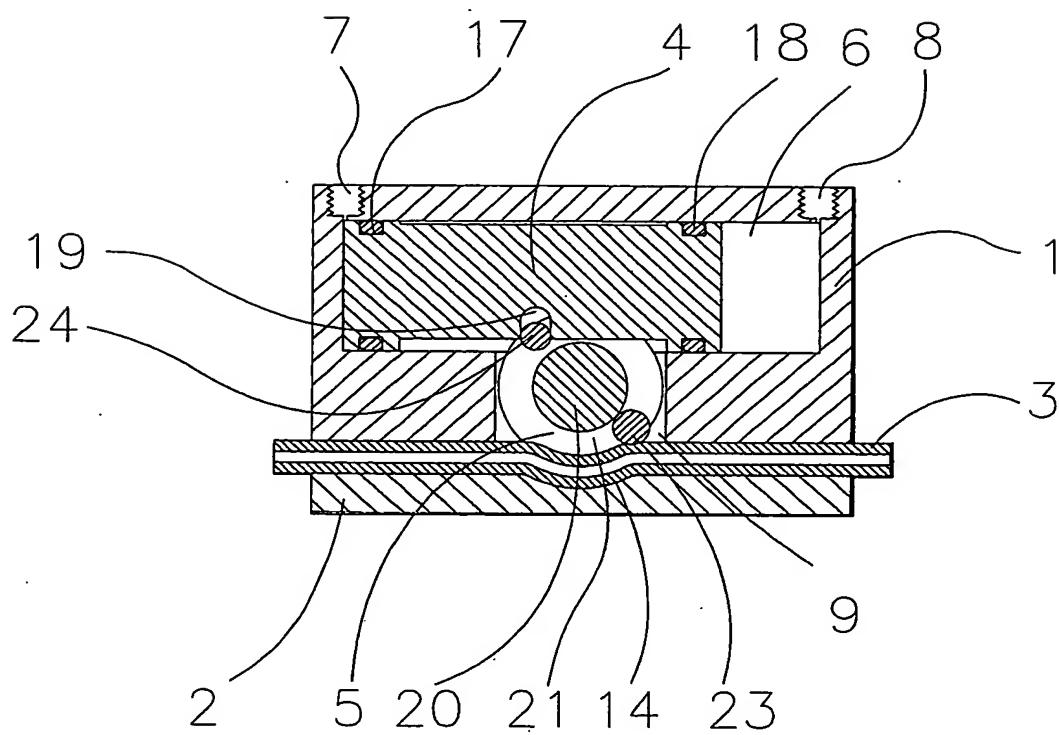


Fig.2

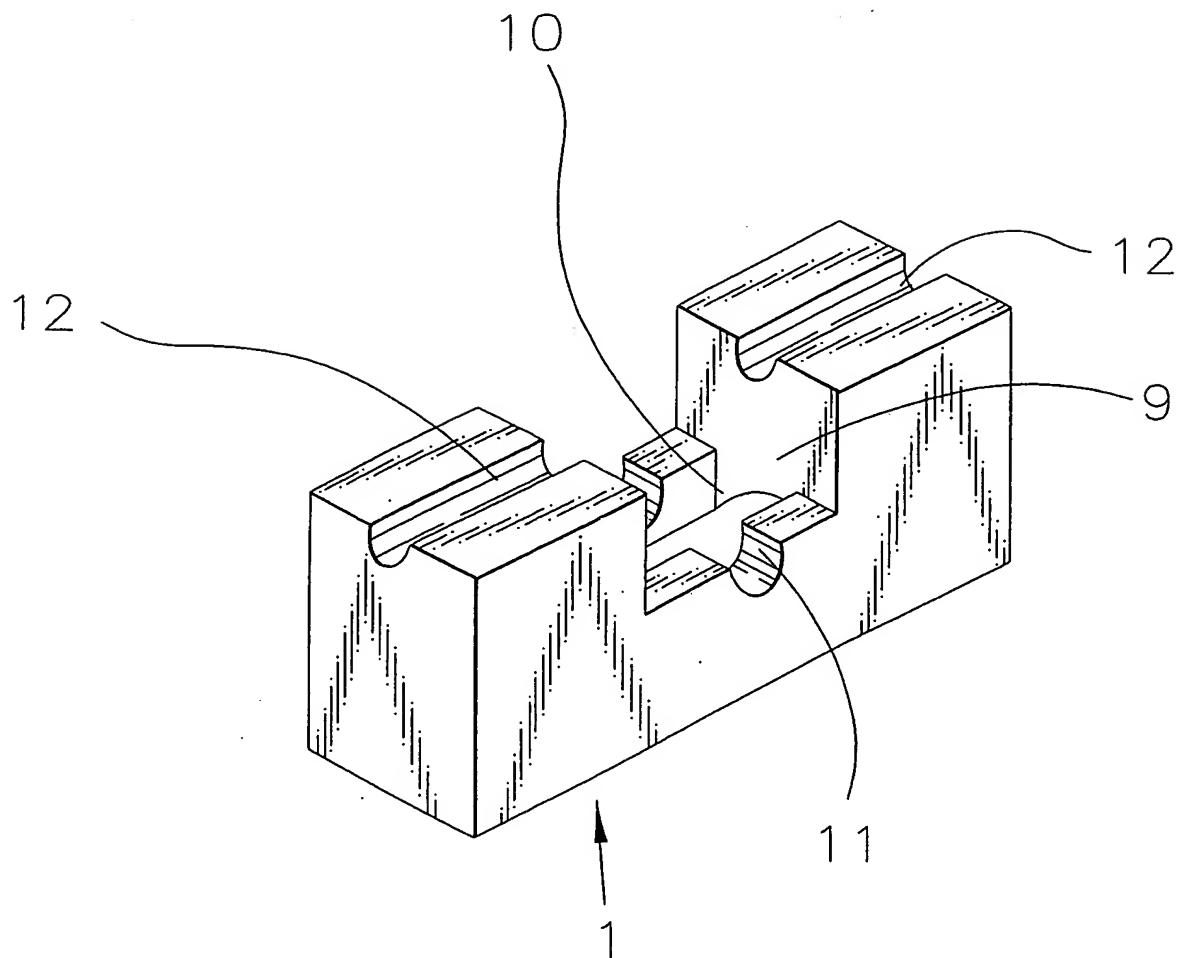


Fig. 3

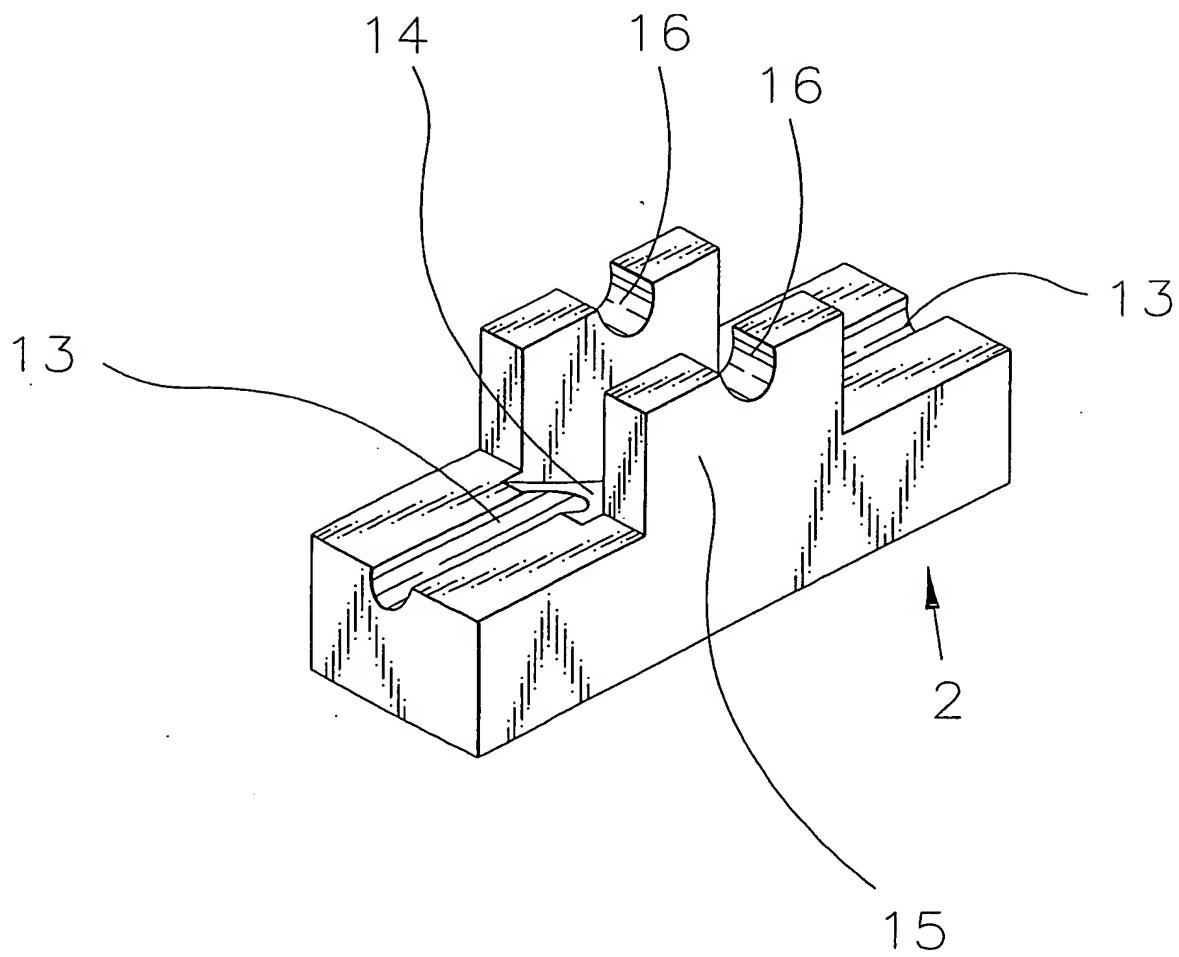


Fig.4

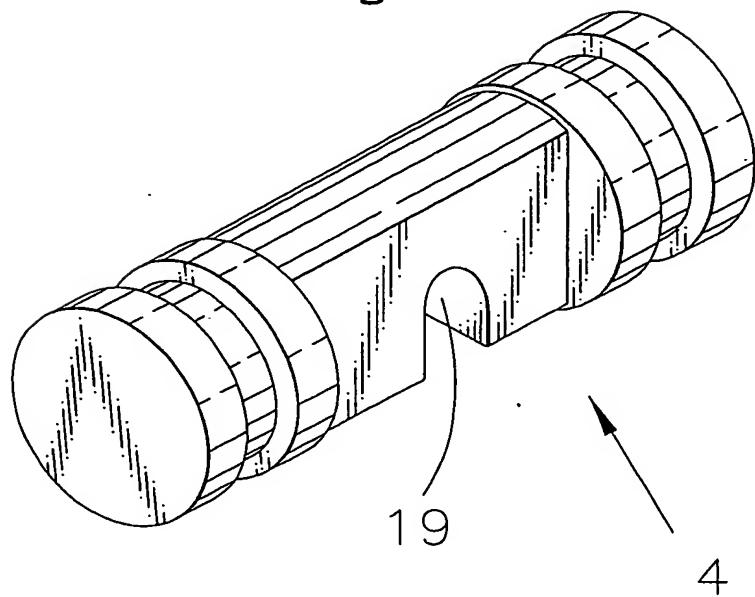


Fig.5

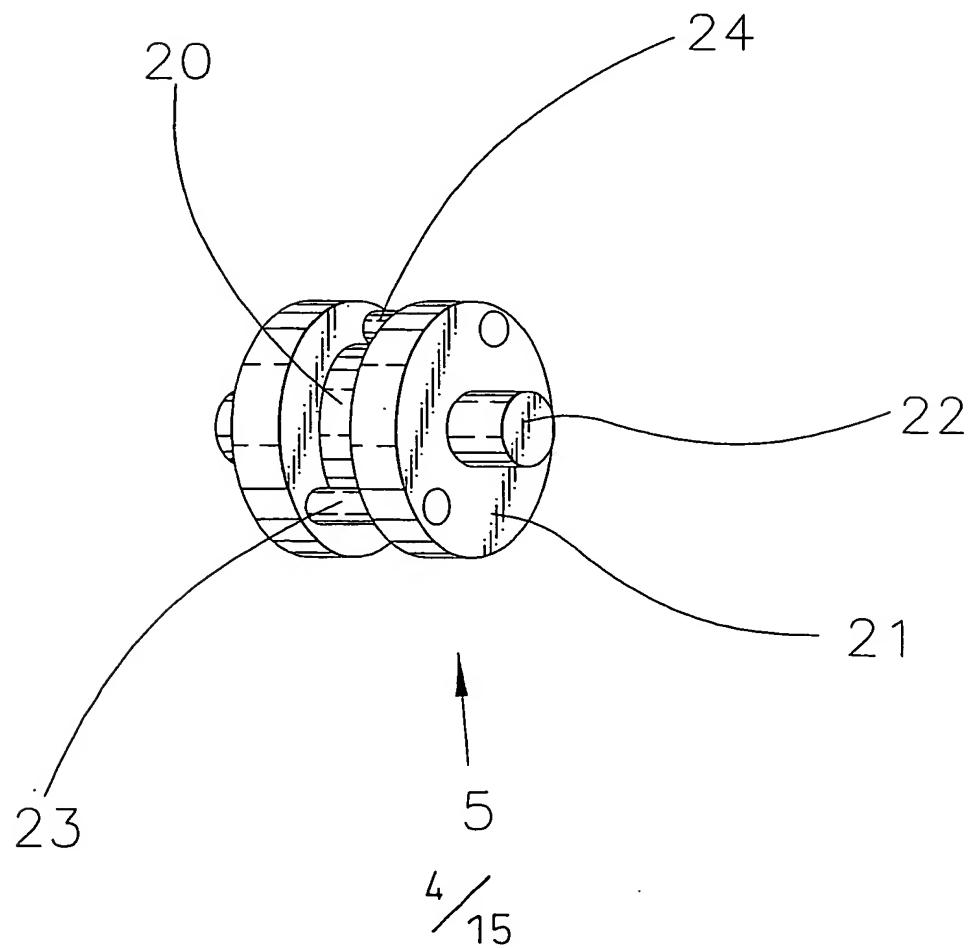


Fig. 6

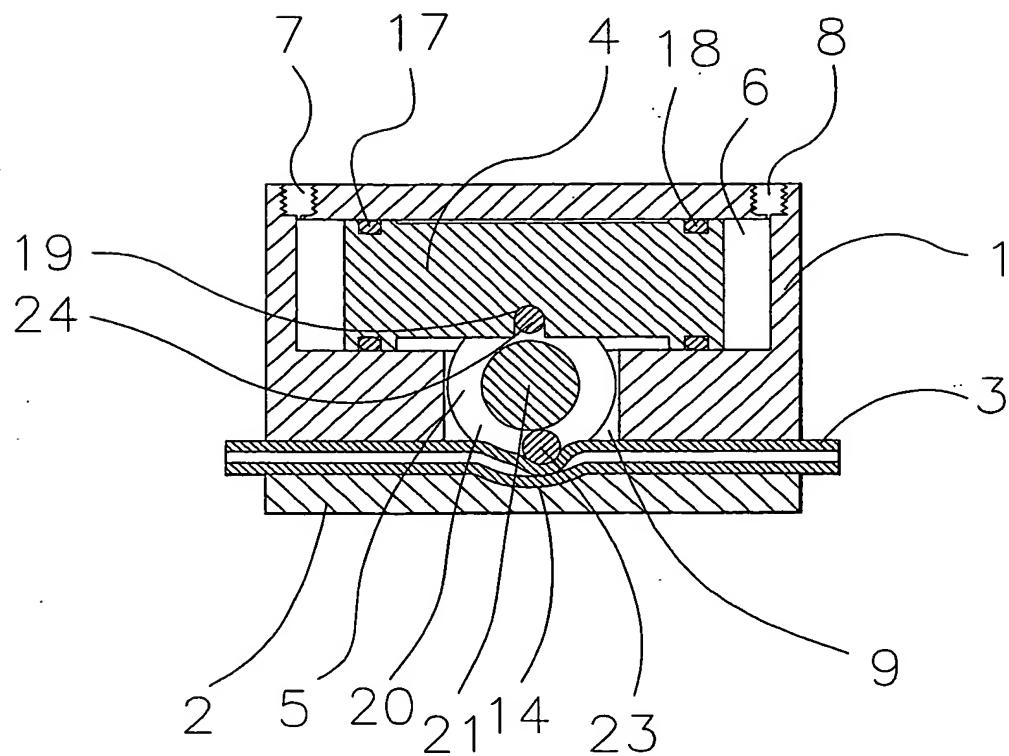


Fig. 7

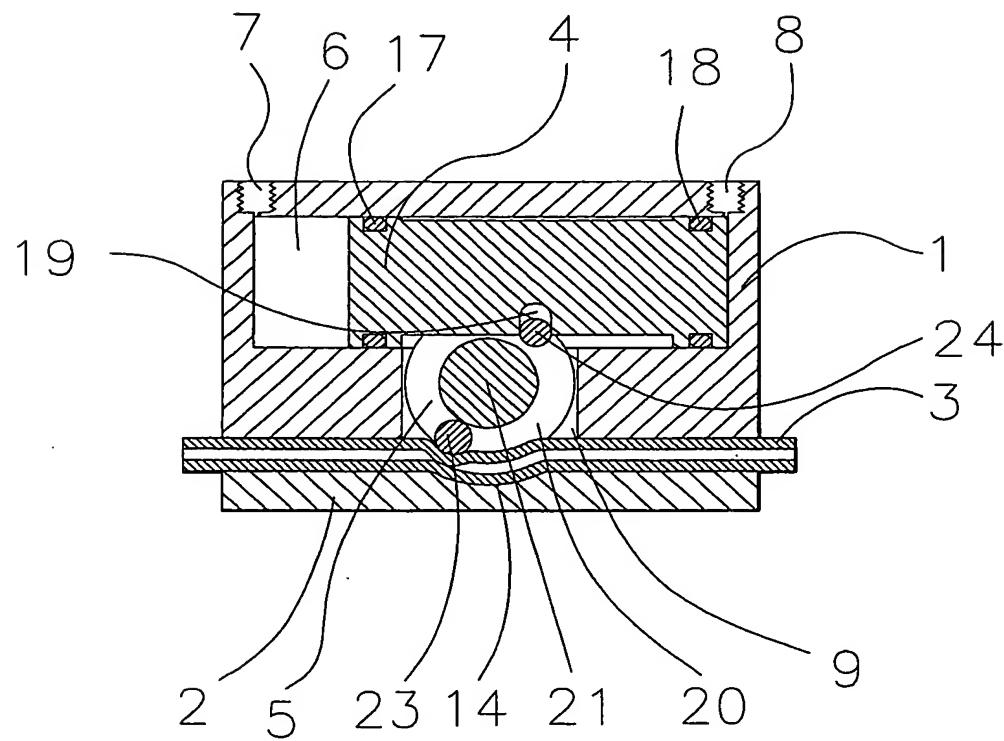


Fig. 8

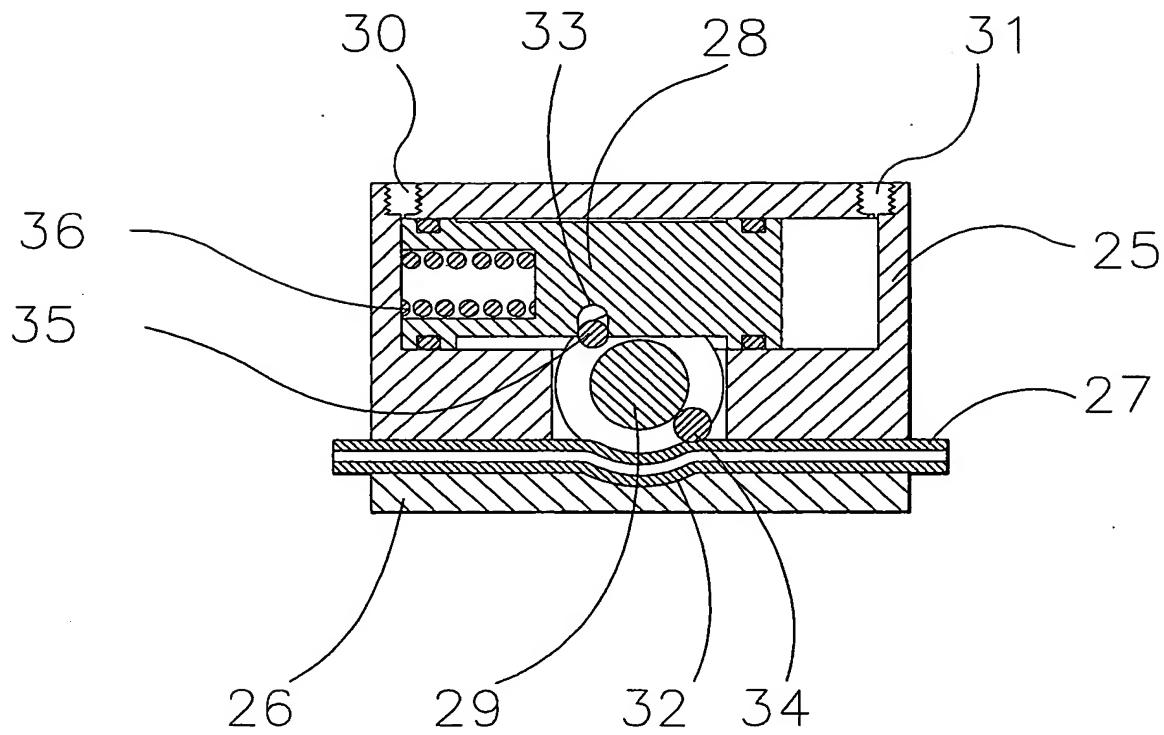


Fig. 9

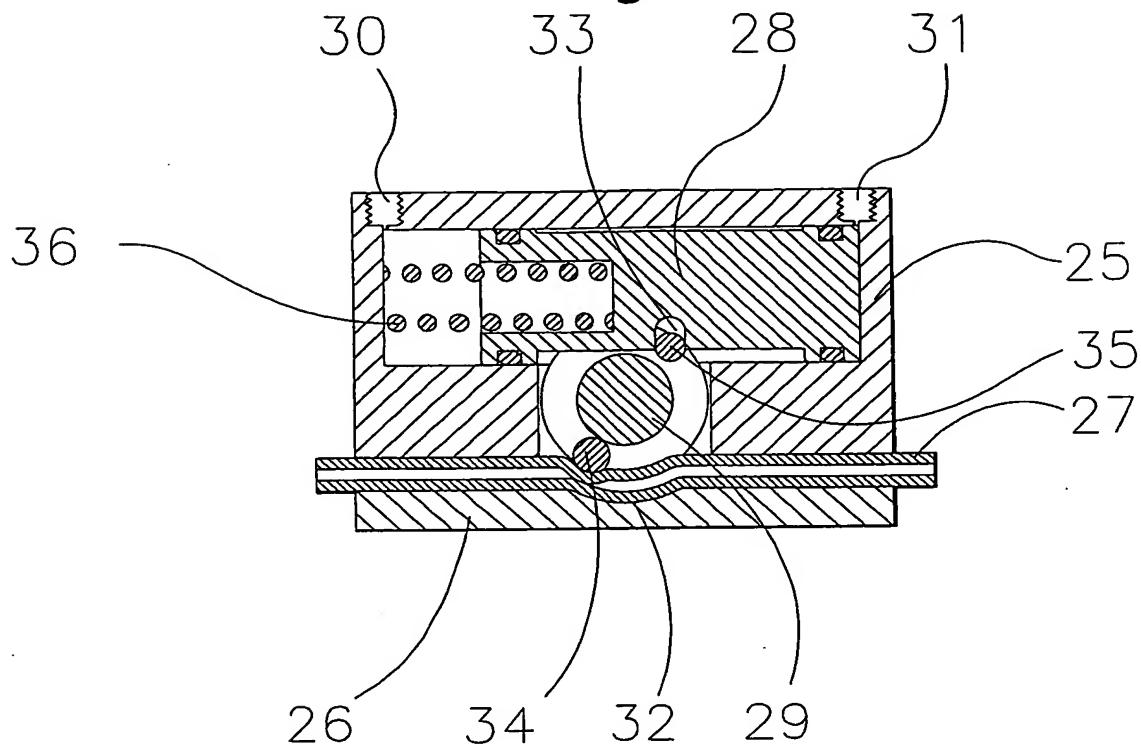


Fig. 10

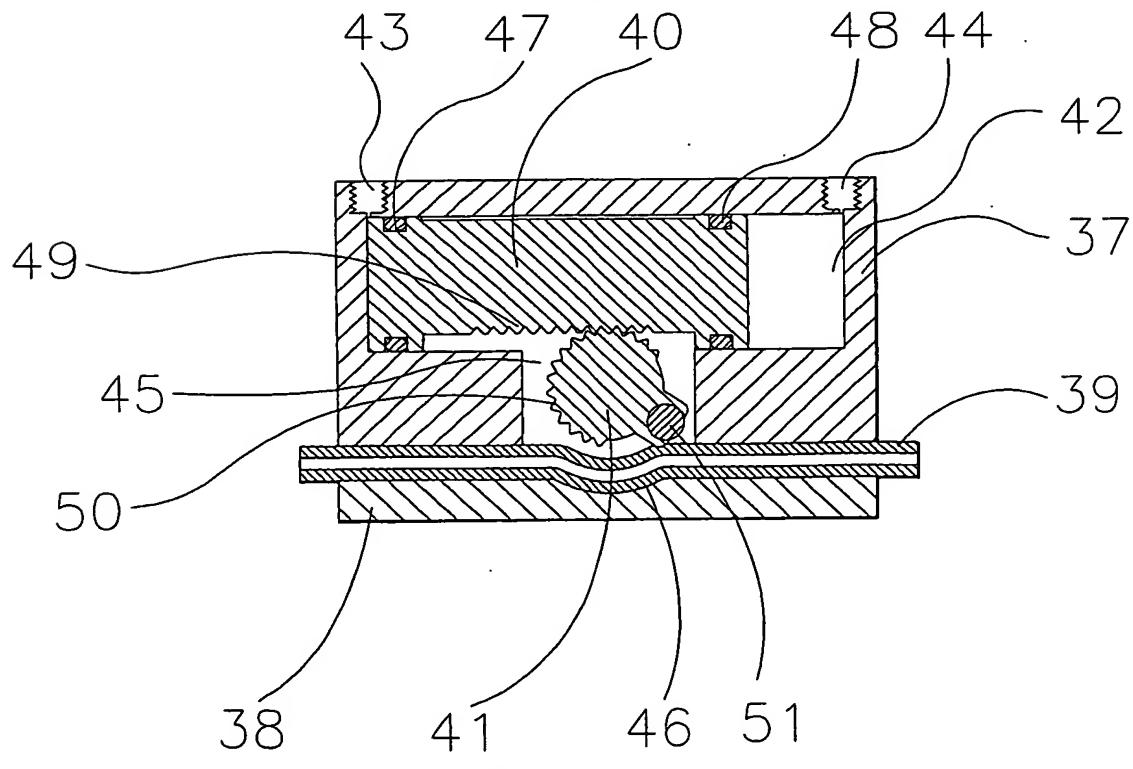


Fig.11

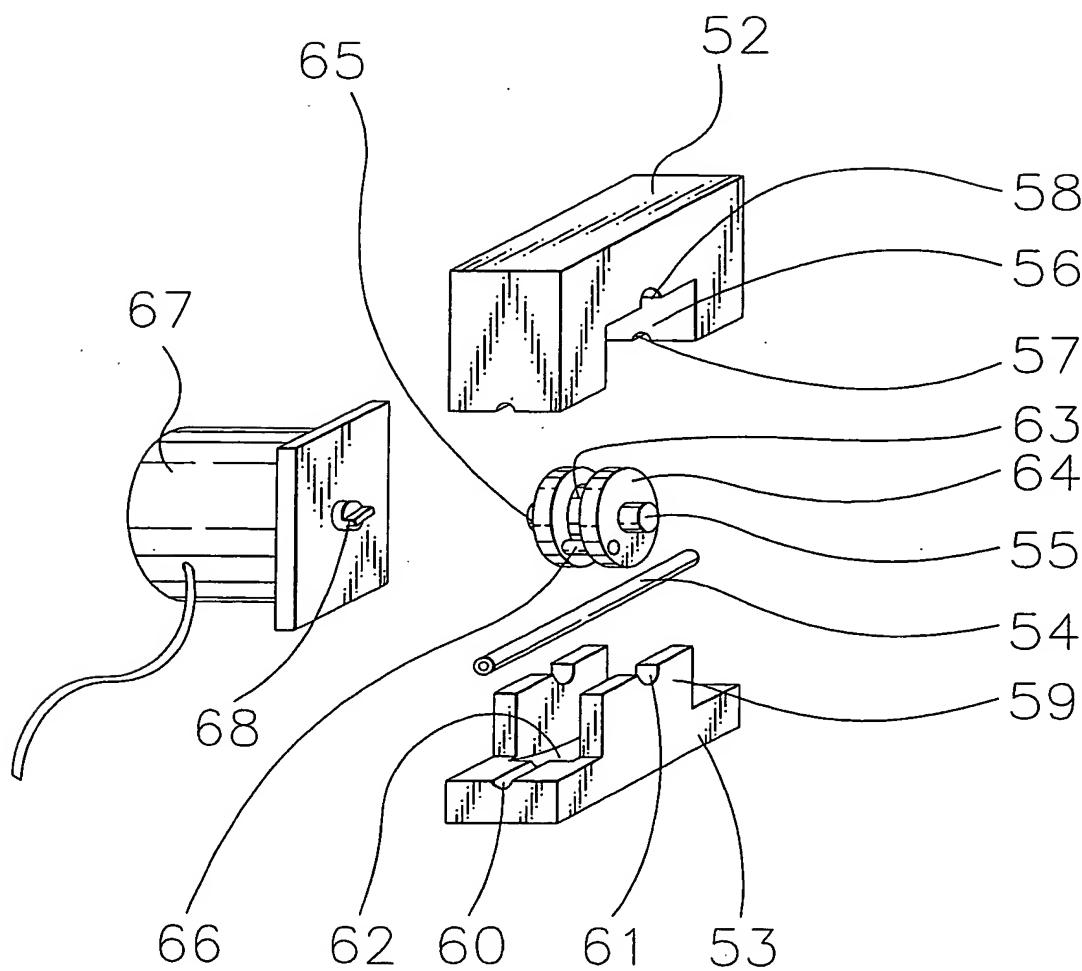


Fig.12

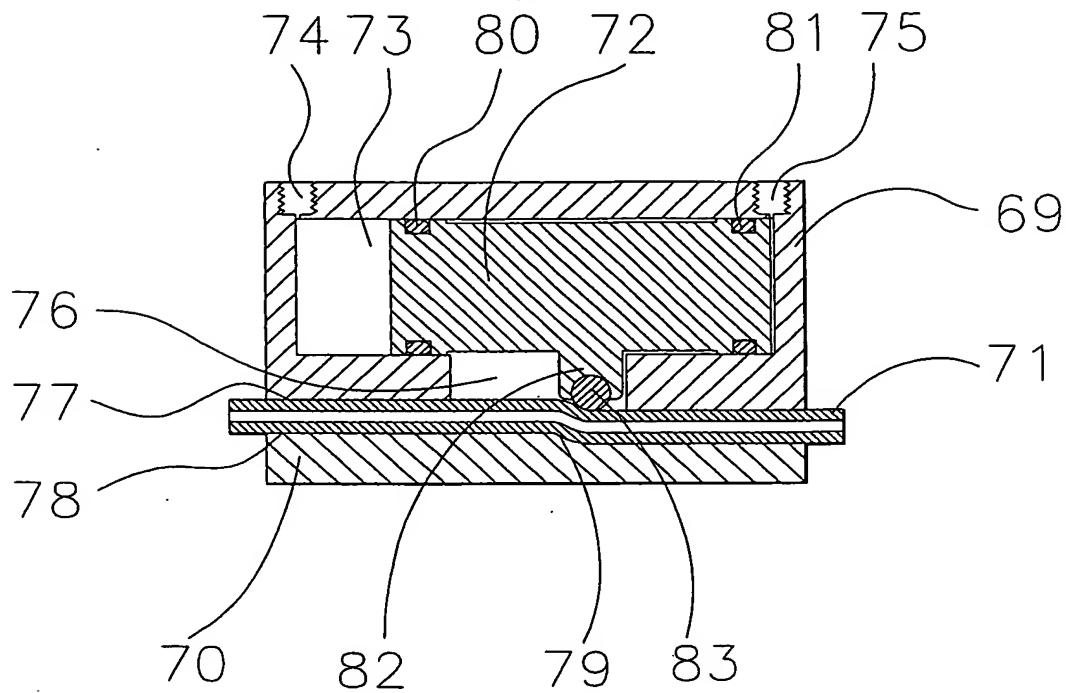


Fig.13

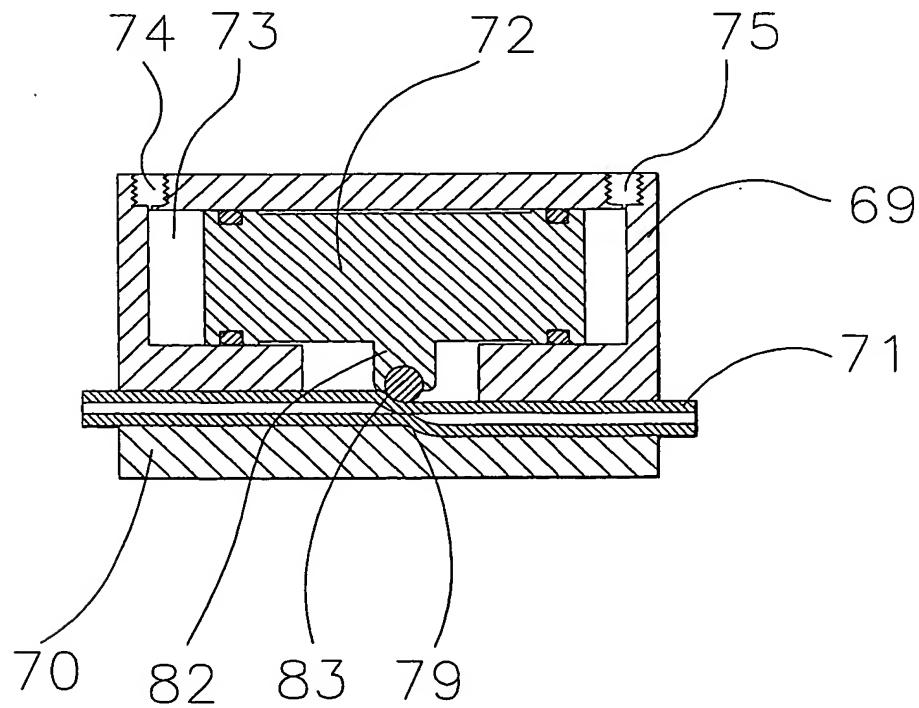
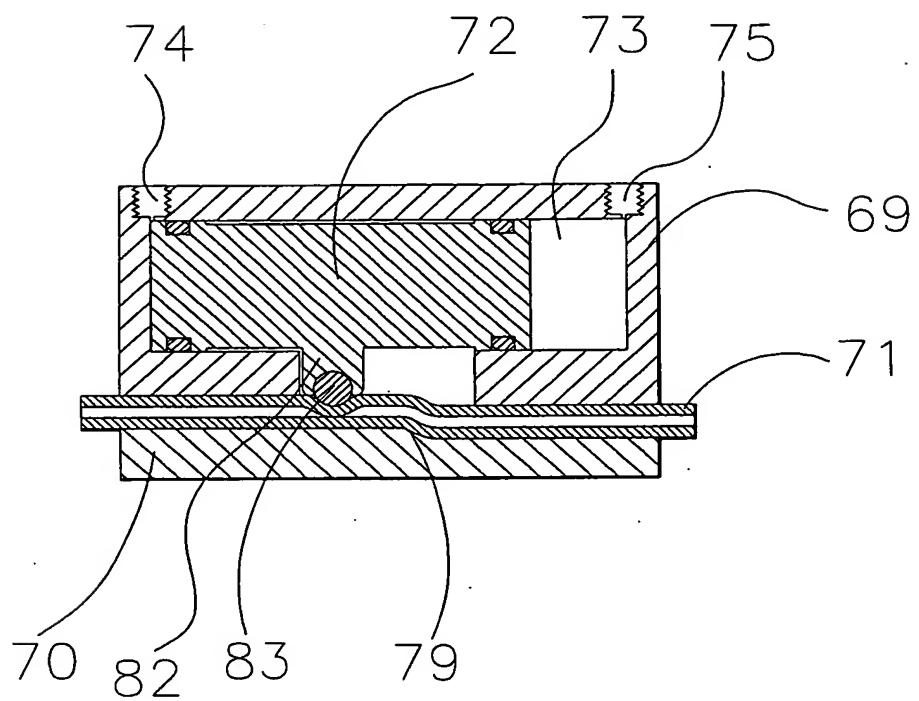


Fig.14



LIST OF REFERENCE CHARACTERS

- 1 Upper valve housing
- 2 Lower valve housing
- 3 Tube
- 4 Piston
- 5 Rotor
- 6 Cylinder chamber
- 7 Working fluid supply port
- 8 Working fluid supply port
- 9 Recess
- 10 Opening
- 11 Bearing part
- 12 Groove
- 13 Groove
- 14 Pressing surface
- 15 Projecting part
- 16 Bearing part
- 17 O-ring
- 18 O-ring
- 19 Notch
- 20 Cylindrical part
- 21 Disk part
- 22 Shaft part
- 23 Roller
- 24 Roller
- 25 Upper valve housing

26 Lower valve housing
27 Tube
28 Piston
29 Rotor
30 Working fluid supply port
31 Working fluid supply port
32 Pressing surface
33 Notch
34 Roller
35 Roller
36 Spring
37 Upper valve housing
38 Lower valve housing
39 Tube
40 Piston
41 Rotor
42 Cylinder chamber
43 Working fluid supply port
44 Working fluid supply port
45 Opening
46 Pressing surface
47 O-ring
48 O-ring
49 Rack
50 Gear
51 Roller
52 Upper valve housing

53 Lower valve housing
54 Tube
55 Rotor
56 Recess
57 Groove
58 Bearing part
59 Projecting part
60 Groove
61 Bearing part
62 Pressing surface
63 Cylindrical part
64 Disk part
65 Shaft part
66 Roller
67 Stepping motor
68 Shaft part
69 Upper valve housing
70 Lower valve housing
71 Tube
72 Piston
73 Cylinder chamber
74 Working fluid supply port
75 Working fluid supply port
76 Opening
77 Groove
78 Groove
79 Pressing surface

- 80 O-ring
- 81 O-ring
- 82 Projecting part
- 83 Roller